

Title (en)
ORGANIC ELECTROLUMINESCENT MATERIALS AND DEVICES

Title (de)
ORGANISCHE ELEKTROLUMINESZENDE MATERIALIEN UND VORRICHTUNGEN

Title (fr)
MATÉRIAUX ET DISPOSITIFS ÉLECTROLUMINESCENTS ORGANIQUES

Publication
EP 3043398 B1 20180404 (EN)

Application
EP 15202033 A 20151222

Priority
US 201514591555 A 20150107

Abstract (en)
[origin: EP3043398A1] A compound having a structure of Formula I: is disclosed. In the structure of Formula 1: X is selected from a group consisting of O, S and Se; G 2 and G 3 are each independently selected from benzene, biphenyl, fluorene, naphthalene, phenanthrene, triphenylene, dibenzofuran, dibenzothiophene, dibenzoselenophene, pyridine, pyrimidine, quinoline, isoquinoline, phenanthroline, aza-fluorene, and combinations thereof; L is selected from phenyl, biphenyl, terphenyl and pyridine, and combinations thereof; G 2, G 3 and L are each optionally further substituted with one or more unfused substituents; R 1, R 2, and each R 3, R 4, R 5 and R 6 are an unfused substituent selected from hydrogen, deuterium, alkyl, alkoxy, cycloalkyl, cycloalkoxy, halogen, nitro, nitrile, silyl, benzene, biphenyl, terphenyl, pyridine, and combinations thereof; and R 1 and R 2 are optionally joined to form a ring. Formulations and devices, such as an OLEDs, that include the compound of Formula I, and, optionally a co-host, are also described.

IPC 8 full level
C07D 405/10 (2006.01); **C07D 409/10** (2006.01); **H01L 51/54** (2006.01)

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